

Amendments to the Claims:

1. (Currently Amended) A method comprising  
receiving a machine readable file containing a document that is to be served to a client for  
display on a client device, the organization of the document in the file being expressed as a  
hierarchy of information, and

deriving subdocuments from the hierarchy of information by deriving comprises  
traversing the hierarchy and assembling the subdocuments from segments, at least some of the  
subdocuments each being assembled from more than one of the segments, at least one of the  
subdocuments being expressed in a format that permits it to be served separately to the client, at  
least one of the subdocuments containing information that enables it to be linked to another one  
of the subdocuments,

wherein the assembling of the subdocuments conforms to an algorithm that tends to  
balance the respective sizes of the subdocuments.

2. (Previously Presented) The method of claim 1 in which the hierarchical  
expression comprises extensible mark-up language (XML).

3. (Canceled)

4. (Canceled)

5. (Currently Amended) The method of claim-3 1 in which the assembling conforms  
to an algorithm that tends to favor assembling each of the subdocuments from segments that  
have common parents in the hierarchy.

6. (Currently Amended) The method of claim-3 1 in which the assembling conforms  
to an algorithm that tends to favor assembling each of the subdocuments from segments for  
which replications of nodes in the hierarchy is not required.

7. (Original) The method of claim 1 in which the file is received from an origin server associated with the file.

8. (Original) The method of claim 7 in which the file is expressed in a language that does not organize segments of the document in a hierarchy, and the deriving of subdocuments includes first converting the file to a language that organized segments of the document in a hierarchy.

9. (Original) The method of claim 1 also including serving the subdocuments to the client individually as requested by the client.

10. (Original) The method of claim 9 in which the subdocuments are served to the client using a hypertext transmission protocol.

11. (Original) The method of claim 9 in which the subdocuments are requested by the client based on the contained information that enables it to be linked to another of the subdocuments.

12. (Original) The method of claim 1 also including identifying a portion of the document that is to be displayed separately from the rest of the document,  
the portion of the document that is to be displayed separately being excluded from the subdocument in which the portion would otherwise have appeared, the portion of the document that is to be displayed separately being included in at least one corresponding subdocument, and  
when the subdocument in which the portion would otherwise have appeared is served to the client device, embedding a graphical device that can be invoked by the user to retrieve the subdocument that includes the portion of the document that is to be displayed separately.

13. (Previously Presented) A method comprising  
receiving, from an origin server, a machine readable file containing a document that is to  
be served to a client for display on a client device, the file being expressed in a language that  
does not organize segments of the document in a hierarchy,  
converting the file to a language that organizes segments of the document in a hierarchy,  
traversing the hierarchy and assembling subdocuments from the segments, at least some  
of the subdocuments being assembled from more than one of the segments, the assembling  
conforming to an algorithm that tends to (a) balance the respective sizes of the subdocuments, (b)  
favor assembling the subdocuments from segments that have common parents in the hierarchy,  
and (c) assemble the subdocuments from segments for which replications of nodes in the  
hierarchy is not required,  
at least one of the subdocuments being expressed in a format that permits it to be served  
separately to the client, at least one of the subdocuments containing information that enables it to  
be linked to another one of the subdocuments, and  
serving the subdocuments to the client individually as requested by the client based on  
the contained information that enables it to be linked to another of the subdocuments.

14. (Previously Presented) A machine-readable document held on a storage medium  
for serving to a client, the document being organized as a set of subdocuments, at least one of the  
subdocuments containing information that enables the subdocument to be linked to another of  
the subdocuments, the information enabling the subdocument to be linked comprising a URL,  
the subdocuments comprising an assembly of segments of the document that are part of a  
hierarchical expression of the document, the subdocuments being of approximately the same  
size.

15. (Canceled)

16. (Original) The method of claim 14 in which the hierarchical expression comprises extensible markup language (XML).

17. (Currently Amended) A method comprising  
receiving from a client a request for a document to be displayed on a client device,  
serving separately to the client a subdocument that represents less than all of the  
requested document, the subdocument containing information that links it to at least one other  
subdocument,  
receiving from the client an invocation of the link to the other subdocument, and  
serving separately to the client device the other subdocument, the subdocuments being of  
essentially the same length.

18. (Original) The method of claim 17 in which the subdocuments are served to the  
client using a hypertext transmission protocol.

19. (Canceled)

20. (Original) The method of claim 17 in which the subdocuments are of a length  
that can be displayed on the client device without further truncation.

21. (Original) A method comprising  
receiving from a server at a client device, a subdocument of a larger document for display  
on the client device,  
displaying the subdocument on the client device,  
receiving at the client device a request of a user to have displayed another subdocument  
of the larger document,  
receiving separately from the server at the client device, the other subdocument, and  
displaying the other subdocument on the client device,  
the subdocuments being of substantially the same length.

22. (Original) The method of claim 21 in which the subdocuments are expressed in a hypertext transmission protocol.

23. (Original) The method of claim 21 in which the request of the user is expressed as a URL.

24. (Original) The method of claim 21 in which all of each of the subdocuments is displayed at one time on the client device.

25. (Original) The method of claim 21 in which less than all of each of the subdocuments is displayed on the client device at one time.

26. (Previously Presented) A method comprising  
displaying a subdocument of a document on a client device,  
displaying an icon with the subdocument, and  
in response to invocation of the icon, fetching another subdocument of the document from a server and displaying the other subdocument on the client device,  
the subdocuments being less than the entire document, the subdocuments being of approximately the same size.

27. (Original) The method of claim 26 in which only a portion of each of the subdocuments is displayed at one time.

28. (Original) The method of claim 27 also including displaying an indication of the position of the currently displayed subdocument in a series of subdocuments that make up the document.

29. (Previously Presented) The method of claim 28 in which the indication includes the total number of subdocuments in the series and the position of the currently displayed document in the sequence.

30. (Original) The method of 1, 17, or 21 in which the subdocuments are derived from the document at the time of a request from the client device for the document.

31. (Original) The method of claim 30 in which the subdocuments are derived in a manner that is based on characteristics of the client device.

32. (Original) The method of claim 31 in which the characteristics of the client device are provided by the client in connection with the request.

33. (Original) The method of claim 32 in which the characteristics include the display capabilities of the client device.

34. (Original) The method of claim 1, 17, or 21 in which the subdocuments are derived from the document before the client requests the document from the server.

35. (Original) The method of claim 34 in which subdocuments are derived for different documents from different origin servers.

36. (Original) The method of claim 1, 17, or 21 in which the subdocuments are derived from the document at a wireless communication gateway.

37. (Currently Amended) Apparatus comprising  
a network server configured to receive a machine readable file containing a document that is to be served to a client for display on a client device, and to derive subdocuments from the file, at least one of the subdocuments being expressed in a format that permits it to be served

separately to the client, at least one of the subdocuments containing information that enables it to be linked to another one of the subdocuments, the subdocuments being of essentially the same length.

38. (Currently Amended) Apparatus comprising  
means for receiving a machine readable file containing a document that is to be served to a client for display on a client device, and  
means for deriving subdocuments from the file, at least one of the subdocuments being expressed in a format that permits it to be served separately to the client, at least one of the subdocuments containing information that enables it to be linked to another one of the subdocuments, the subdocuments being of essentially the same length.

39. (Currently Amended) A machine-readable program stored on a machine-readable medium and capable of configuring a machine to  
receive a machine readable file containing a document that is to be served to a client for display on a client device, and  
derive subdocuments from the file, at least one of the subdocuments being expressed in a format that permits it to be served separately to the client, at least one of the subdocuments containing information that enables it to be linked to another one of the subdocuments, the subdocuments being of essentially the same length.

40. (Previously Presented) The method of claim 7 in which the file comprises an electronic document.

41. (Previously Presented) The method of claim 7 in which the file comprises an email file.

42. (Previously Presented) The method of claim 7 in which the file is received from the origin server in the form of a webpage.

43. (Previously Presented) The apparatus of claim 37 in which the network server is configured to derive the subdocuments by traversing the hierarchy and assembling the subdocuments from segments, at least some of the subdocuments each being assembled from more than one of the segments.

44. (Previously Presented) The apparatus of claim 37 in which the file is received from an origin server associated with the file.

45. (Previously Presented) The apparatus of claim 44 in which the file is expressed in a language that does not organize segments of the document in a hierarchy, and the network server deriving the subdocuments includes first converting the file to a language that organized segments of the document in a hierarchy.

46. (Previously Presented) The apparatus of claim 37 in which the network server is also configured to serve the subdocuments to the client individually as requested by the client.

47. (Previously Presented) The apparatus of claim 37 in which the subdocuments are of essentially the same length.

48. (Previously Presented) The machine-readable program of claim 39 in which the machine-readable program is capable of configuring the machine to derive the subdocuments by traversing the hierarchy and assembling the subdocuments from segments, at least some of the subdocuments each being assembled from more than one of the segments.

49. (Previously Presented) The machine-readable program of claim 39 in which the machine-readable program is capable of configuring the machine to also serve the subdocuments to the client individually as requested by the client.



50. (Previously Presented) An apparatus comprising:  
a client device configured to receive and display a subdocument of a larger document for display, wherein the client device is also configured to receive a request of a user to have displayed another subdocument of the larger document, and thereafter separately receive and display at least one other subdocument, the subdocuments being of substantially the same length.

51. (Previously Presented) The apparatus of claim 50 in which the client device is configured to receive and display subdocuments that have been derived from a document in a manner that is based on characteristics of the client device, the client device having provided the characteristics in connection with a request.

52. (Previously Presented) The apparatus of claim 50 in which the client device is configured to receive and display subdocuments that have been derived from a document in a manner that is based on characteristics of the client device, the characteristics including at least one display capability of the client device.

53. (Previously Presented) The apparatus of claim 50 in which the client device comprises a mobile phone or personal digital assistant.